AMENDMENT OF CLAIMS

1-25. cancelled

26. (new) A method of manually installing a string of arch shape cross section leaching chambers having sidewalls with a multiplicity of perforations for passage of water, for forming an interconnected string of chambers within a trench in soil; wherein the trench defines the path of said string and has a width sufficient to receive only a single string of chambers connected end-to-end, wherein each chamber has a first end and an opposing second end; wherein the first and second ends of adjacent chambers of the string connect with a load transferring joint; which method comprises the steps of (a) removing a first chamber from the top of a stack of nested chambers; (b) placing the first chamber in said trench; (c) removing a second chamber from the top of a stack of nested chambers; (d) engaging the first end of the second chamber with the second end of the first chamber by vertically angling the second chamber relative to the first chamber and then lowering the second end of the second chamber into the trench to thereby form said joint between said chambers; wherein the person doing the manual installing stands in the trench and manipulates the second chamber during step (d); wherein the length of each chamber is in the range of 4 feet to 5.7 feet.

27. (new) The method of claim 26 wherein said joint between two mating chambers provides an essentially linear connection so said string lies along a straight line.

28. (new) The method of claim 26 wherein said string which is formed has a horizontal plane curve factor of at least than 0.57 degrees per foot of length.

29. (new) The method of claim 26 wherein the length of each chamber is between about 4 and 5 feet.

30. (new) The method of claim 26 wherein each chamber has a flexibility factor of greater than about 0.2 inch.

31. (new) The method of claim 30 wherein each chamber has a flexibility factor of greater than about 1 inch.

32. (new) The method of claim 26 wherein each chamber has a length to width aspect ratio between about 1.2 and 2.0, a weight per foot of about 2.7 to 3 pounds, and a flexibility factor of greater than about 0.2 inch.

33. (new) The method of claim 26 wherein each chamber comprises a continuous curve arch shape cross section; and wherein the interior and exterior surfaces are substantially free of ribs.

34. (new) The method of claim 33 wherein each chamber has a length to width aspect ratio between 1.2 and 2.0, a weight per foot of about 2.7 to 3 pounds.

35. (new) The method of claim 33 wherein each chamber has a flexibility factor of at least about 1 inch.

36. (new) An arch shape cross section molded thermoplastic leaching chamber comprising: a first end and a second end; opposing sidewalls with a multiplicity of horizontal slot perforations for passage of water; a length in the range of about 4 to about 5 feet; a length to width aspect ratio between 1.2 and 2.0; a weight per foot of about 2.7 to 3 pounds; and, a flexibility factor of greater than about 0.2 inch; wherein, a first end of the chamber resists removal from the top of a nested vertical stack of like chambers when only the second end of the chamber is lifted from the stack.

37. (new) The chamber of claim 36 having a width of about 3 feet.

38. (new) The chamber of claim 36 wherein the flexibility factor is greater than about 1 inch.

39. (new) A continuous curve arch shape cross section molded thermoplastic corrugated leaching chamber which comprises: interior and exterior surfaces which are substantially free of ribs; opposing sidewalls having a multiplicity of horizontal slot perforations; and, opposing first and second ends shaped for interconnecting with like chambers; wherein the chamber has a flexibility factor of at least 0.2 inch; wherein the chamber has a length in the range 4 to 5.7 feet; and, wherein the first end of the chamber resists removal from a nested vertical stack of like chambers when only the second end of the chamber is lifted from the stack.

40. (new) The chamber of claim 39 wherein the flexibility factor is at least 1 inch.